Heron Cross Primary School
Computing 2025-26

Intent:

The computing curriculum at Heron Cross Primary School is designed to develop students' digital literacy, computational thinking, creativity and online safety skills, from foundation stage through to UKS2. By focusing on practical application, collaboration and integration with other subjects, the school aims to prepare students to be competent and responsible users of technology in an increasingly digital world. With the support of our resources and ongoing teacher training, the school strives to provide a rich and engaging computing education for its students. At Heron Cross, our computing curriculum encompasses the three key areas of computing: Computer Science, Information Technology and Digital Literacy.

- Computer Science: Pupils are introduced to fundamental concepts of Computer Science, including algorithms, programming, data representation and computer networks. They engage in activities and projects that develop their coding and programming skills, using age-appropriate programming languages and tools.
- Information Technology: Pupils learn how to effectively use a range of digital tools, software applications and online resources. They explore topics such as Word Processing, spreadsheets, multimedia presentations, data handling and data analysis.
- Digital Literacy and Online Safety: The curriculum addresses topics related to Digital Literacy, including online safety, responsible internet use, cyberbullying and information evaluation. Pupils are taught how to critically analyse online content, verify sources and protect themselves and others from online threats. We ensure that our ambitious curriculum provides all children with the confidence needed to become masters of technology.

We ensure that we use a variety of teaching and learning strategies to encourage children to be these masters. As part of this, at Heron Cross, we use hands-on practical activities, collaborative learning, integration with other subjects and continuous assessment so that all children, including disadvantaged children and children with SEND, are equipped with the skills and knowledge needed and that no child is left behind. Our curriculum is progressive, we continuously build on the knowledge and skills of the three strands of computing learned in previous years, building on our specific computing vocabulary within each strand and showing more creativity and independence.

Heron Cross provides children and staff with a range of resources and tools to support the teaching and learning of our ambitious Computing curriculum. These include: Hardware and Software, the school maintains a well-equipped computer suite, laptops, iPads and interactive whiteboards; online resources, pupils have access to age-appropriate online resources which are cross curricular and provide opportunities for independent exploration; and training and professional development for staff in order to keep up to date with the latest developments in computer education and deliver high quality instruction to the curriculum.